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FIG. 1A

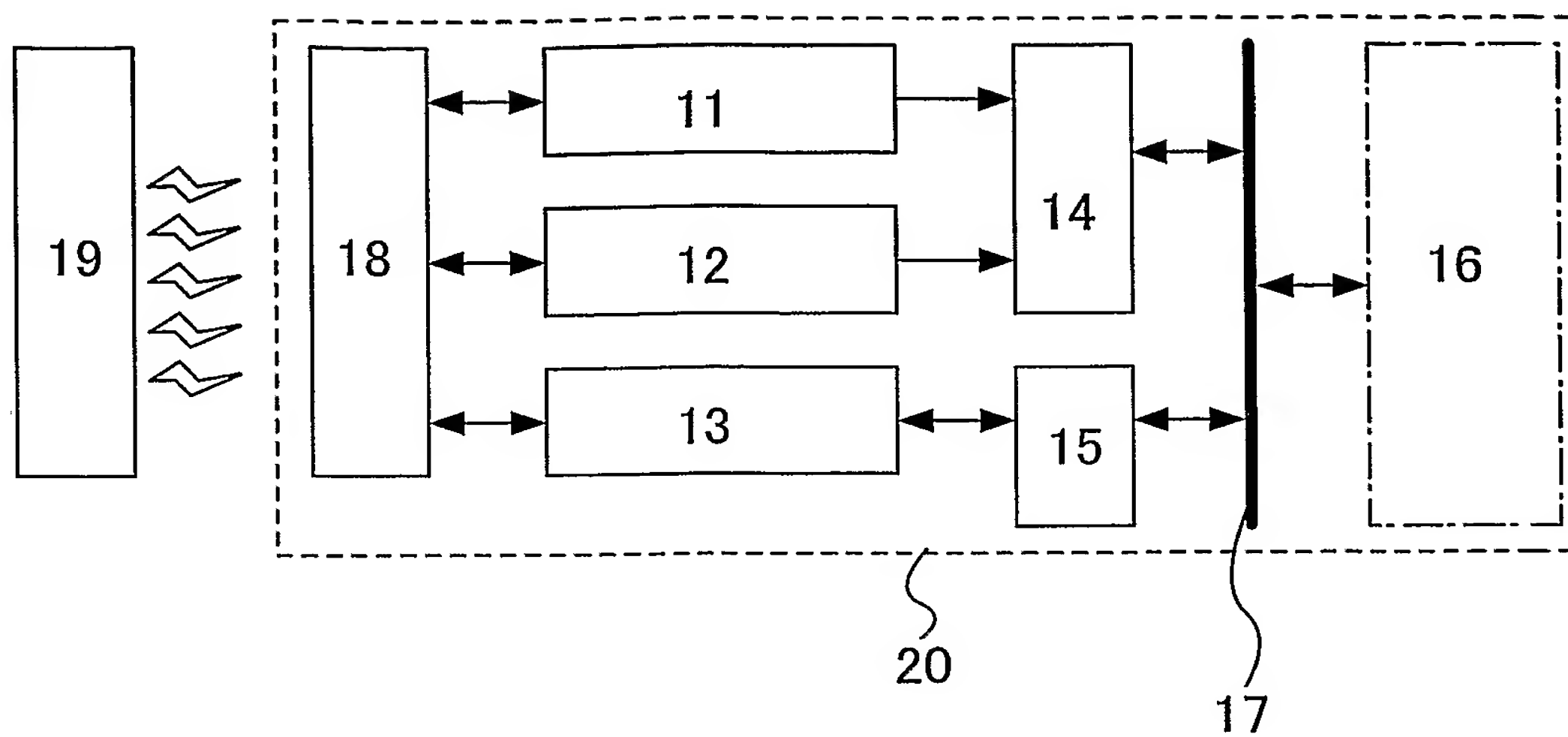
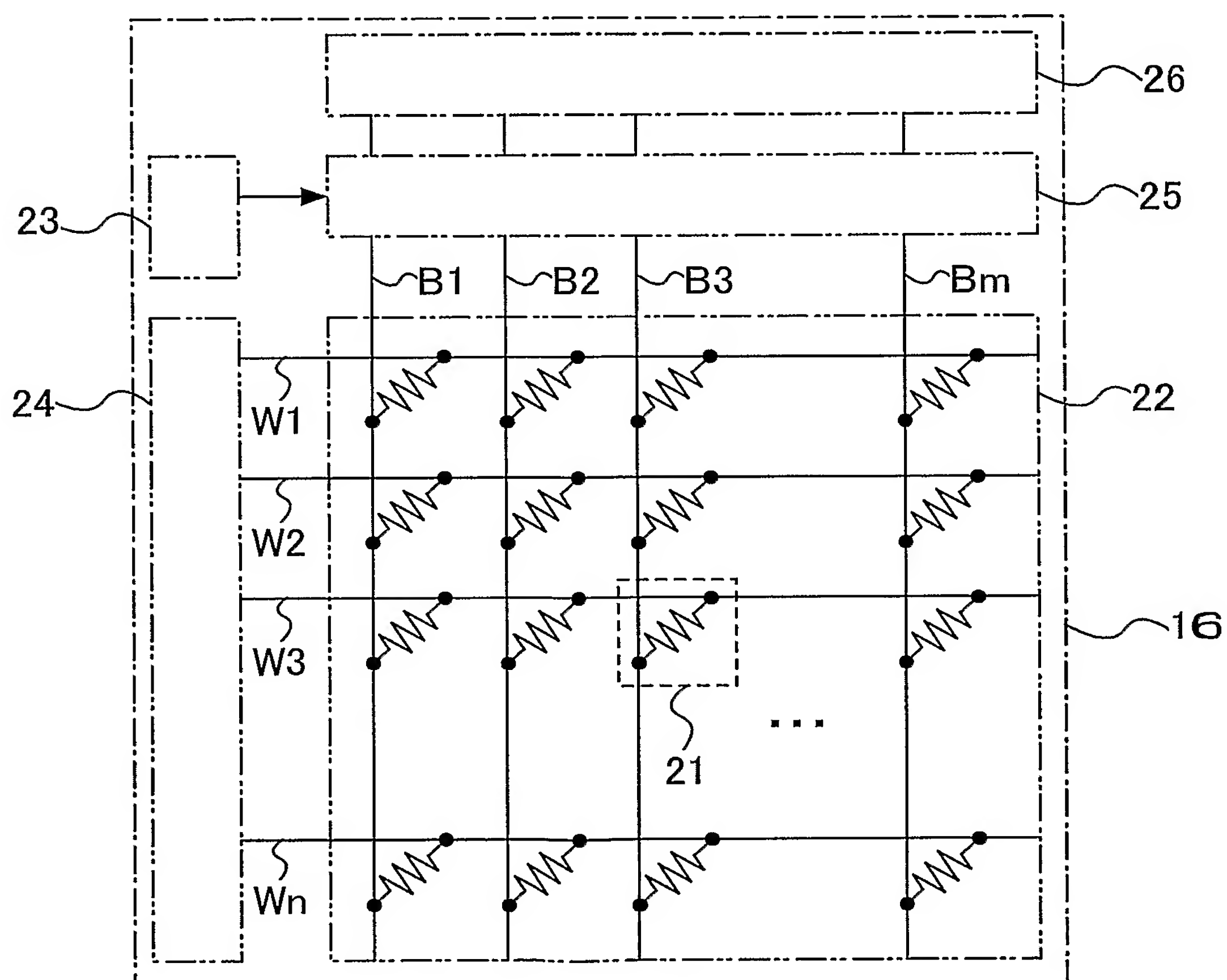


FIG. 1B



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FIG. 2A

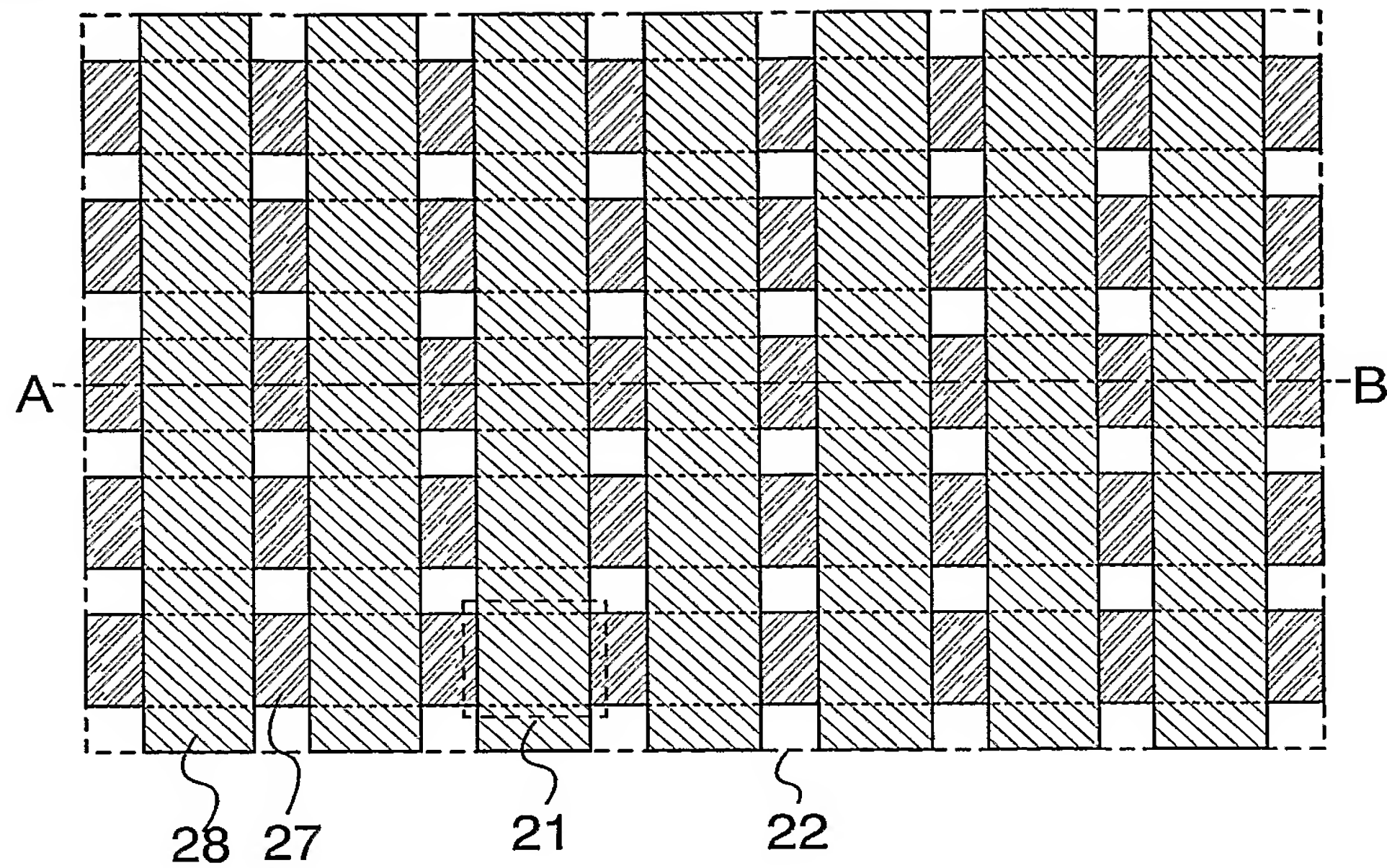


FIG. 2B

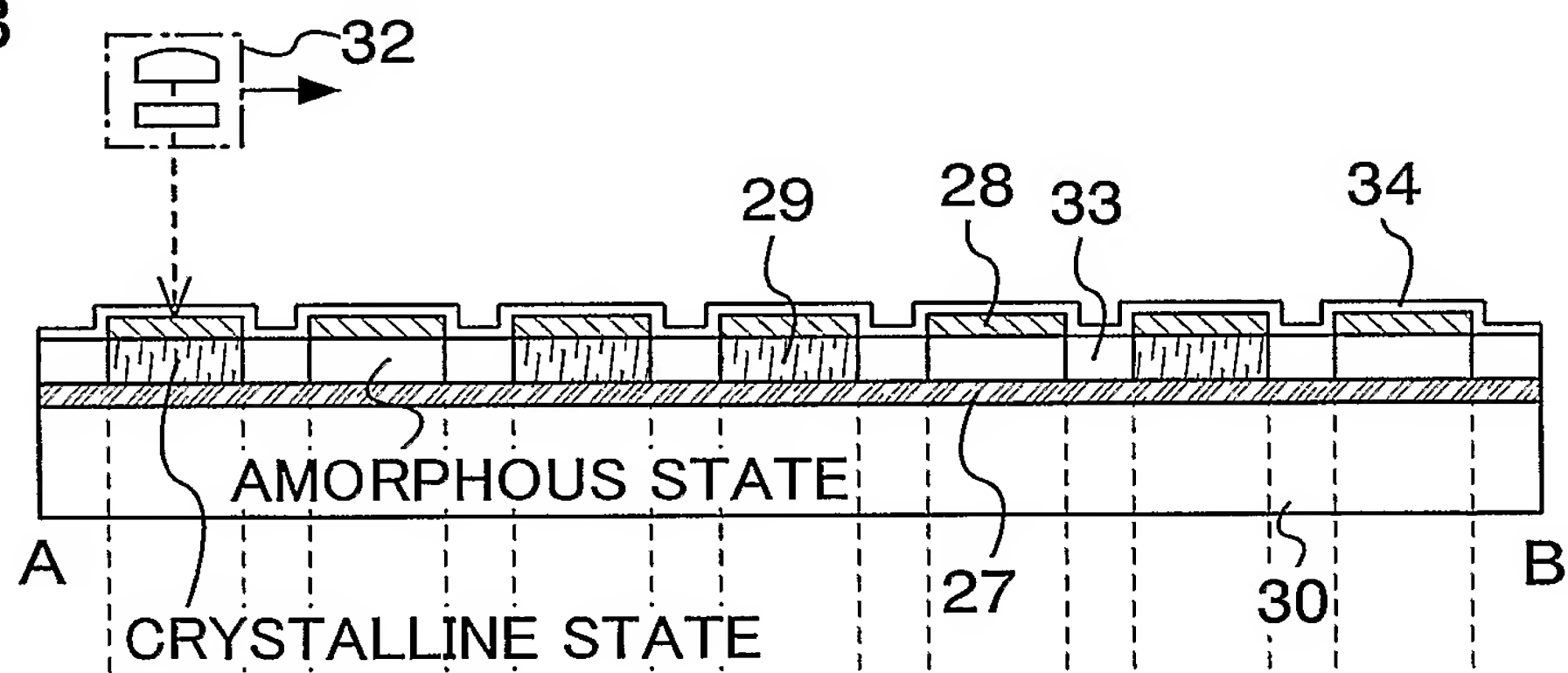


FIG. 2C

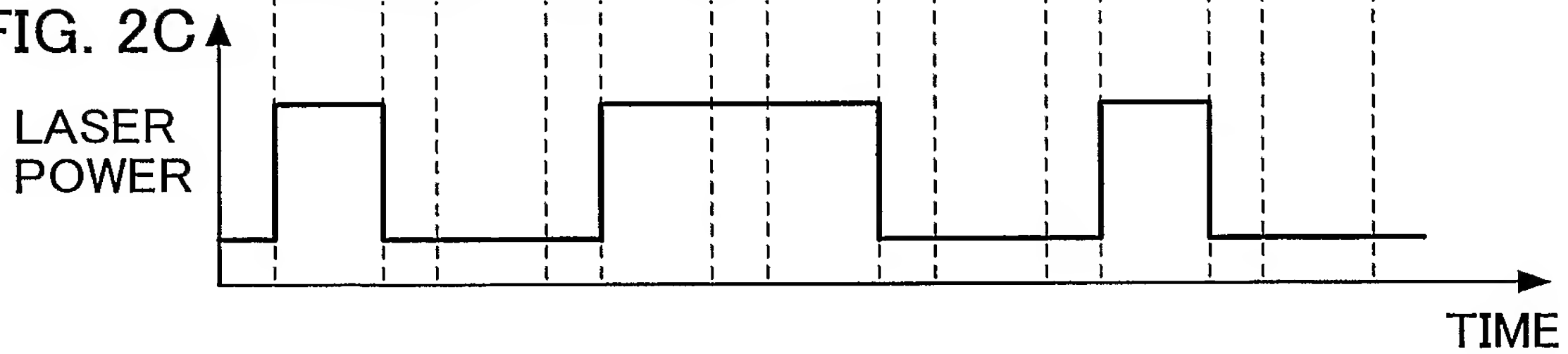


FIG. 2D

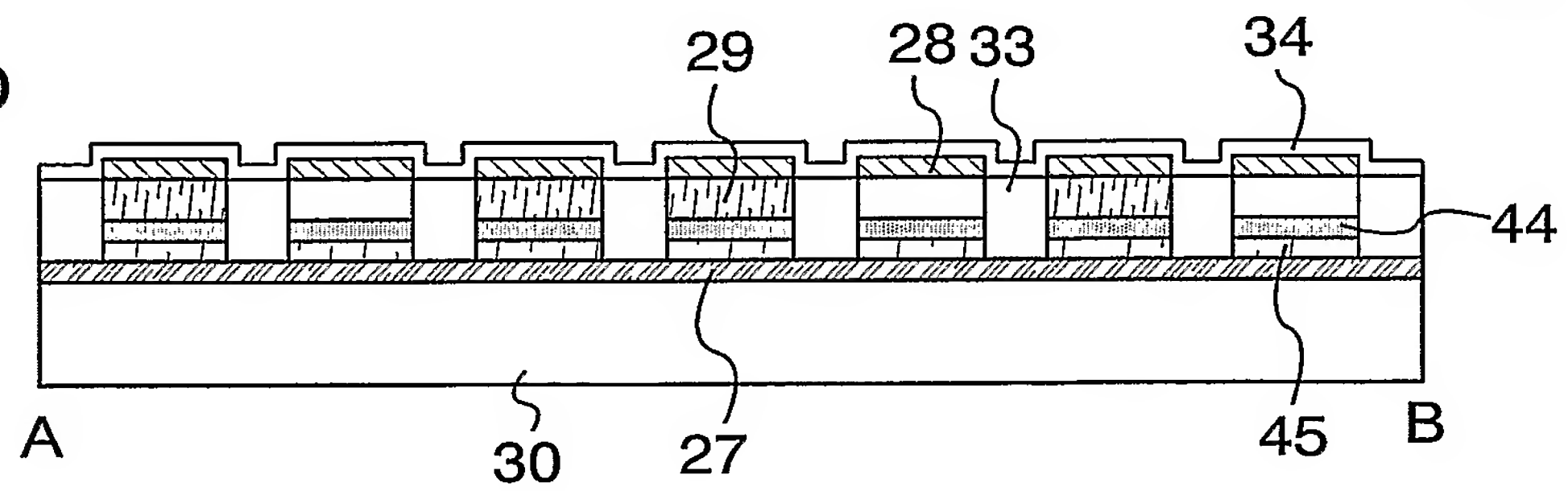


FIG. 3A

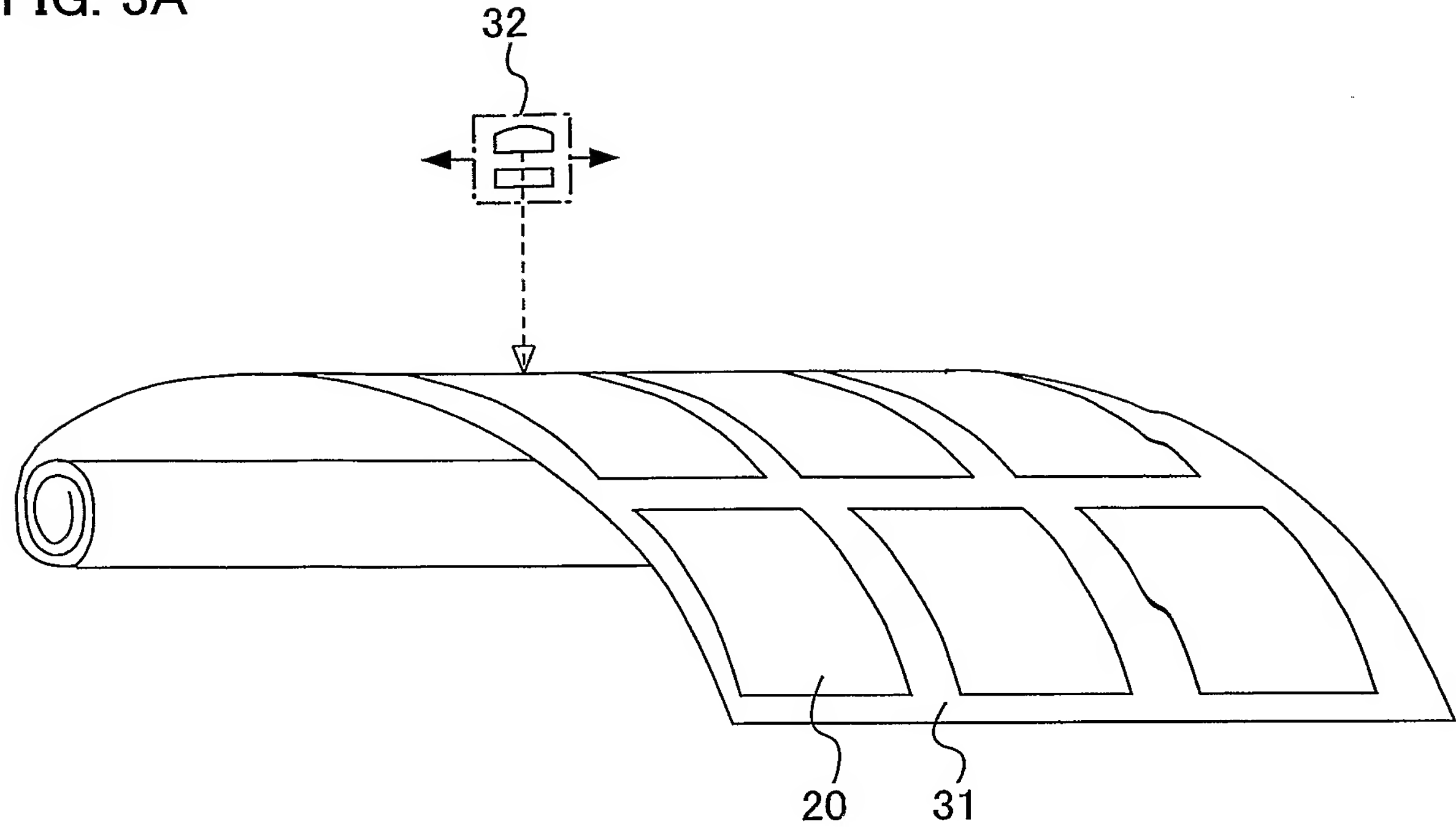


FIG. 3B

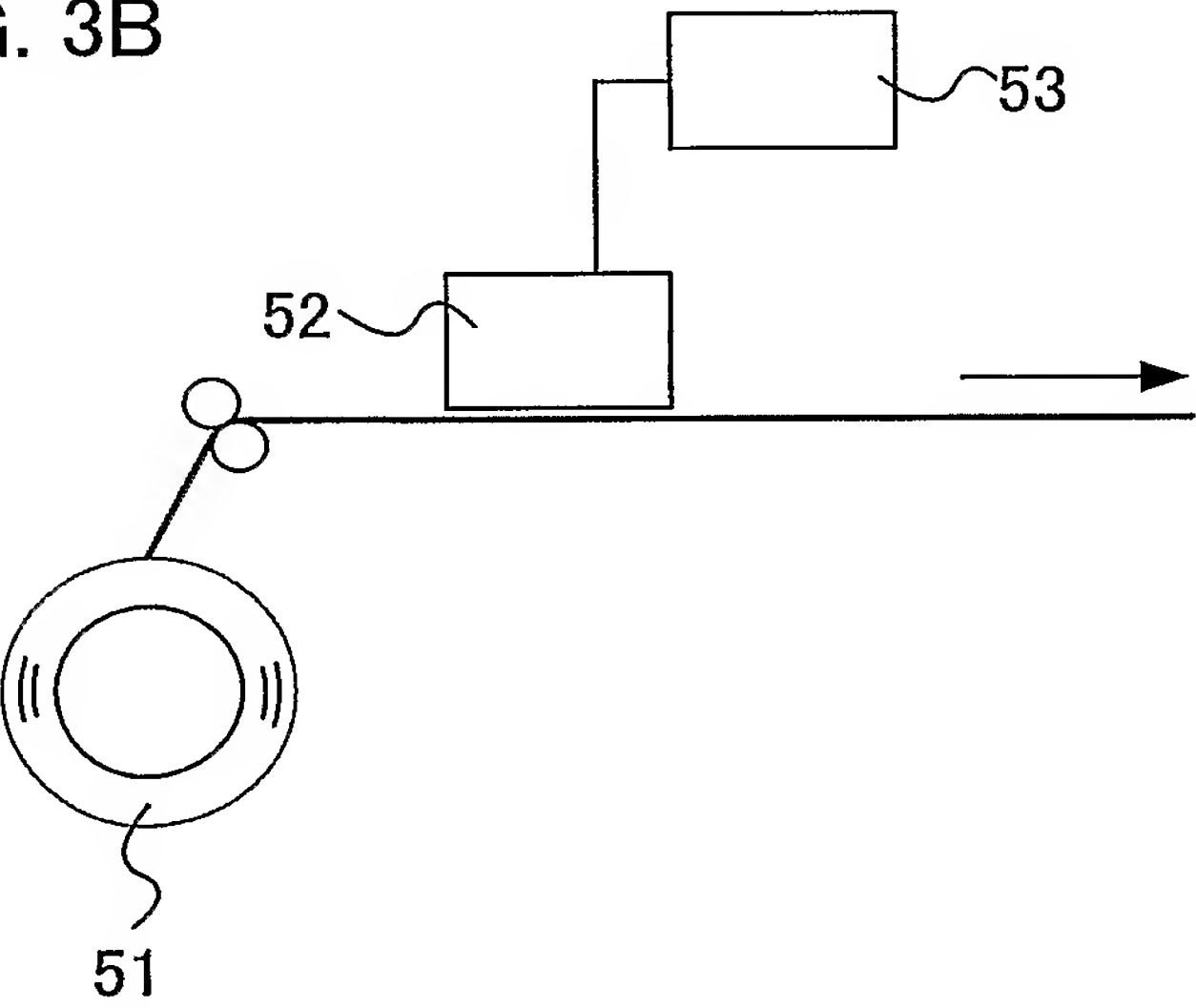


FIG. 4A

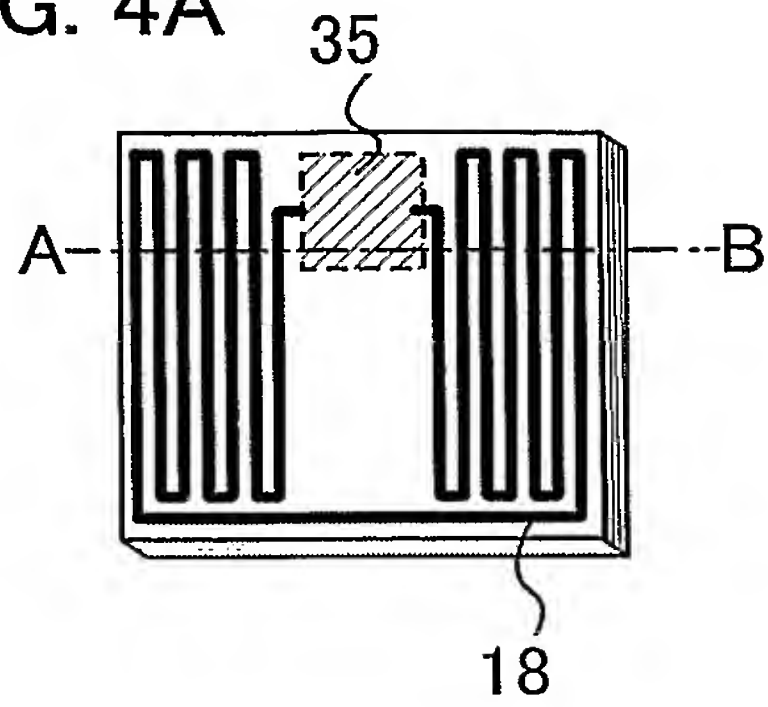


FIG. 4B

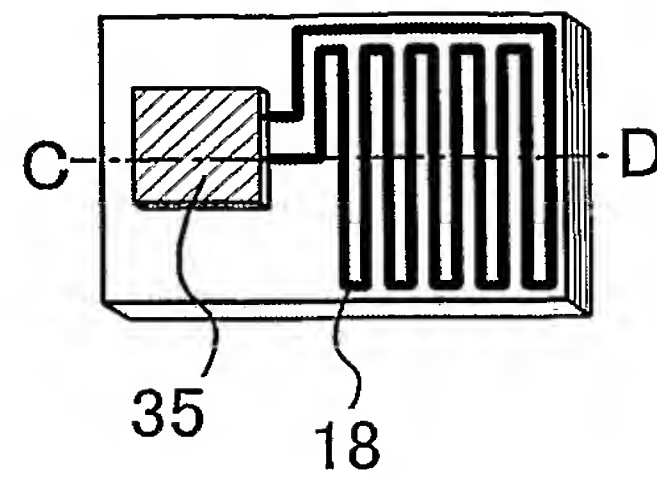


FIG. 4C

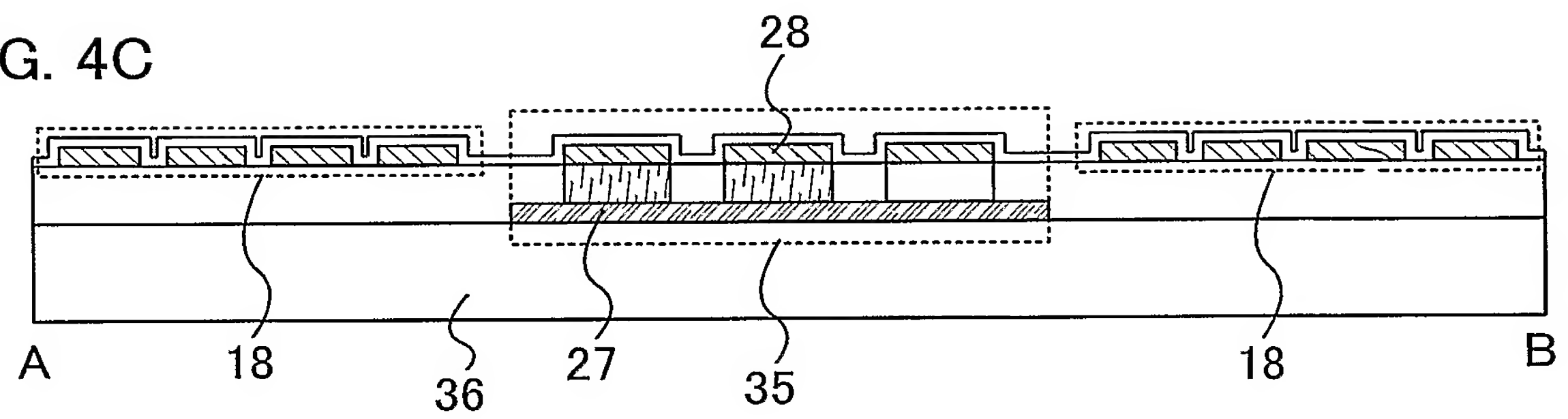


FIG. 4D

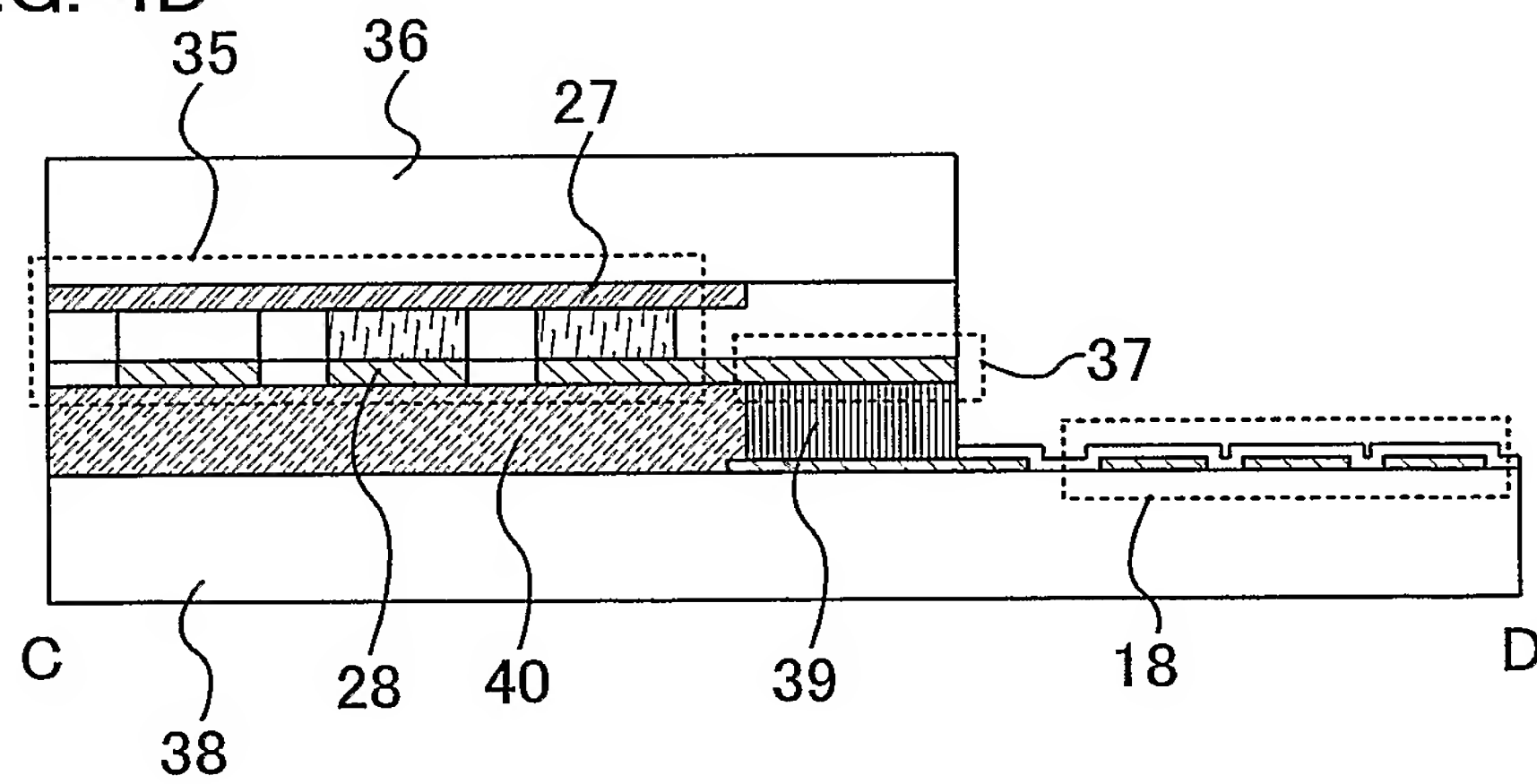


FIG. 5A

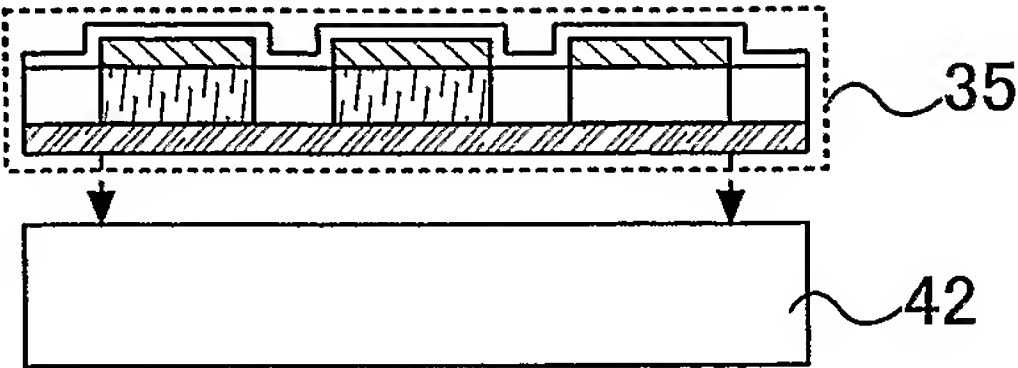


FIG. 5B

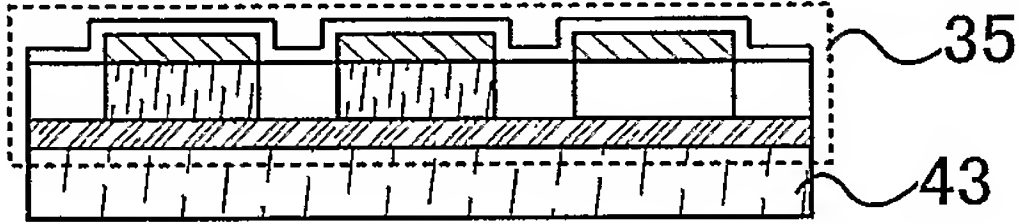


FIG. 5C

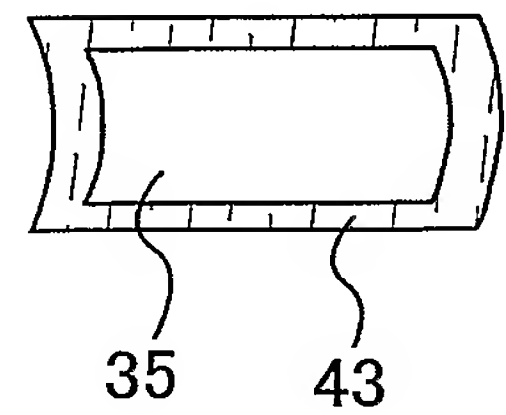
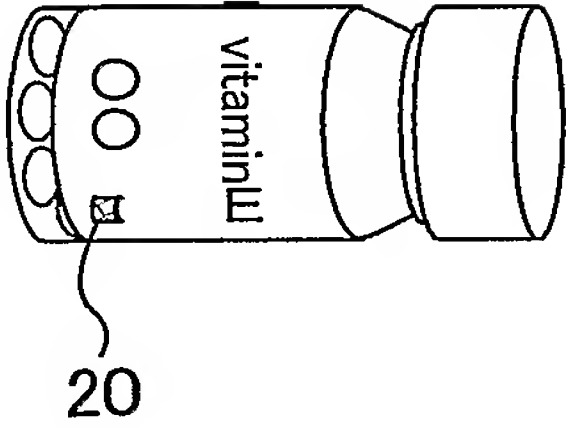


FIG. 5D



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FIG. 6A

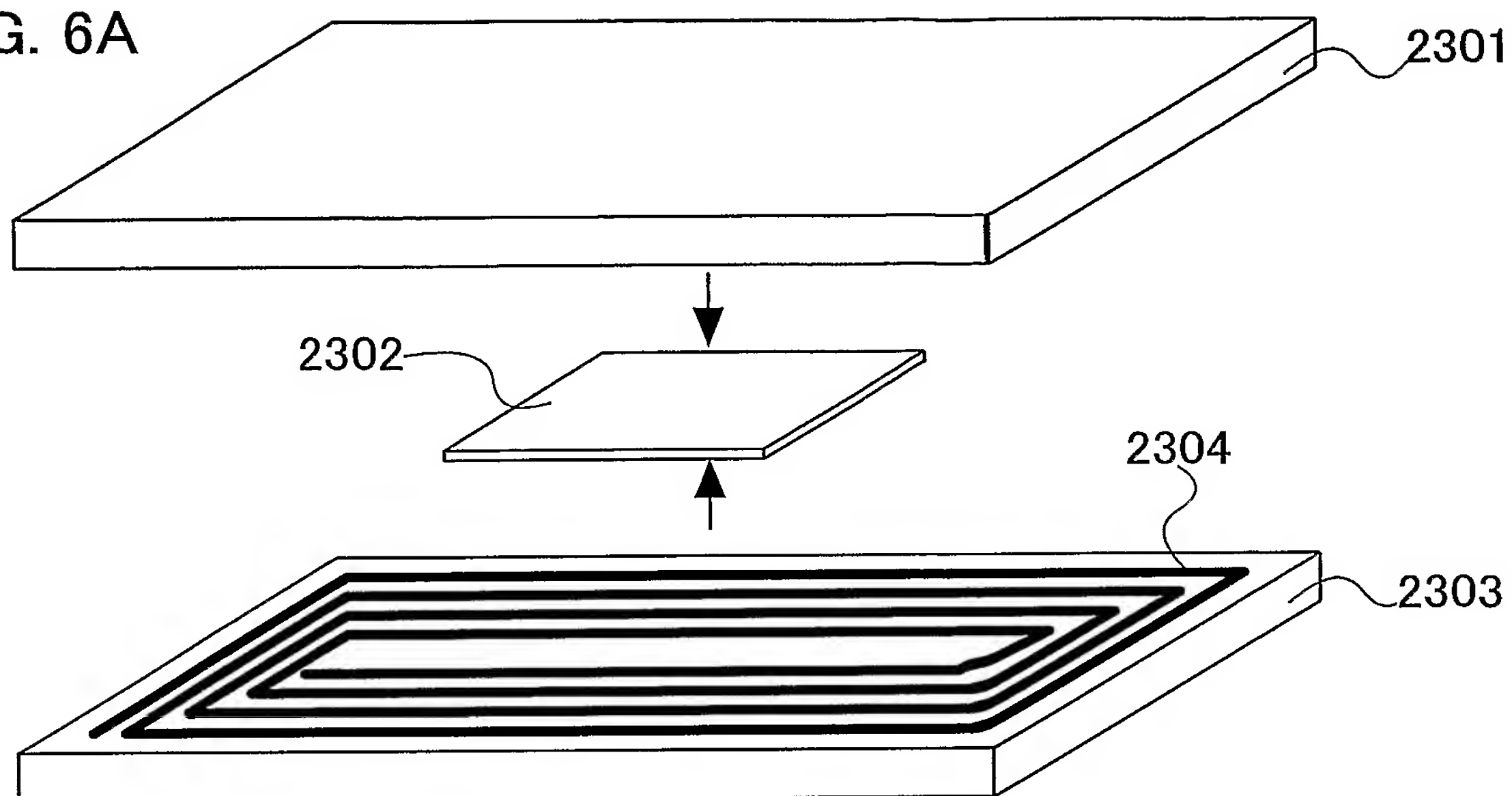


FIG. 6B

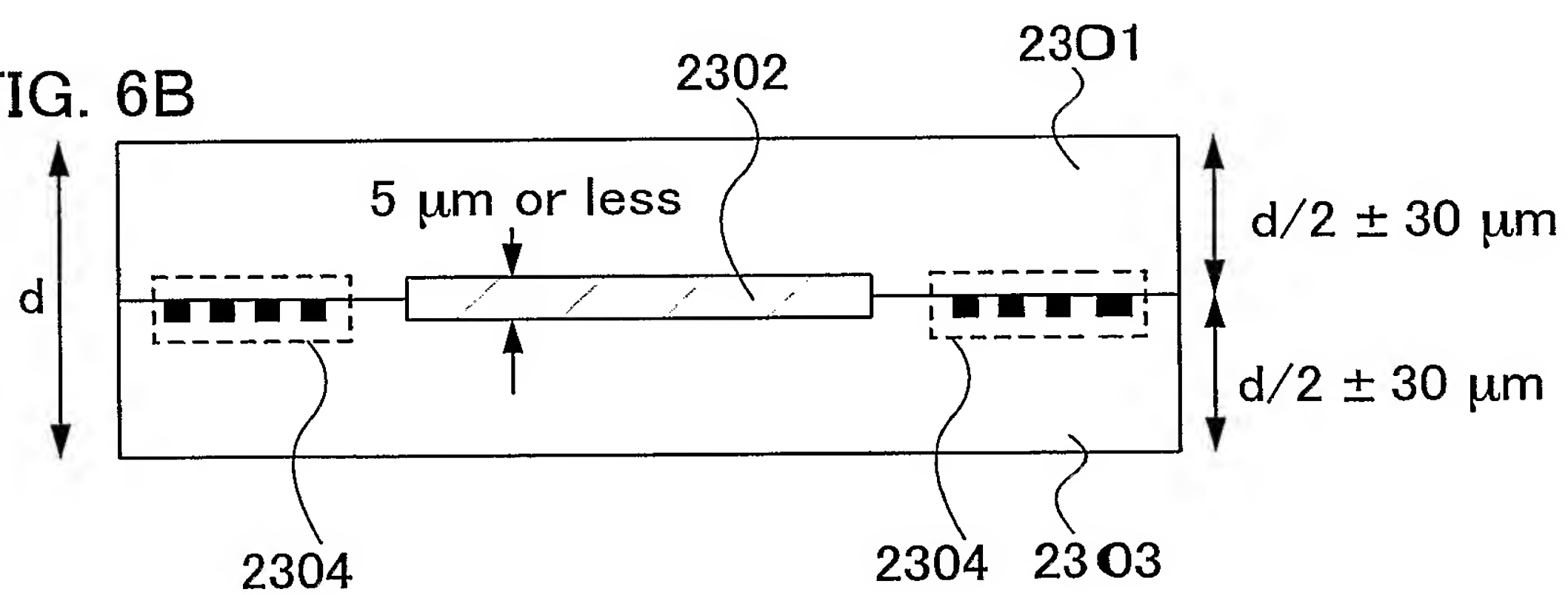
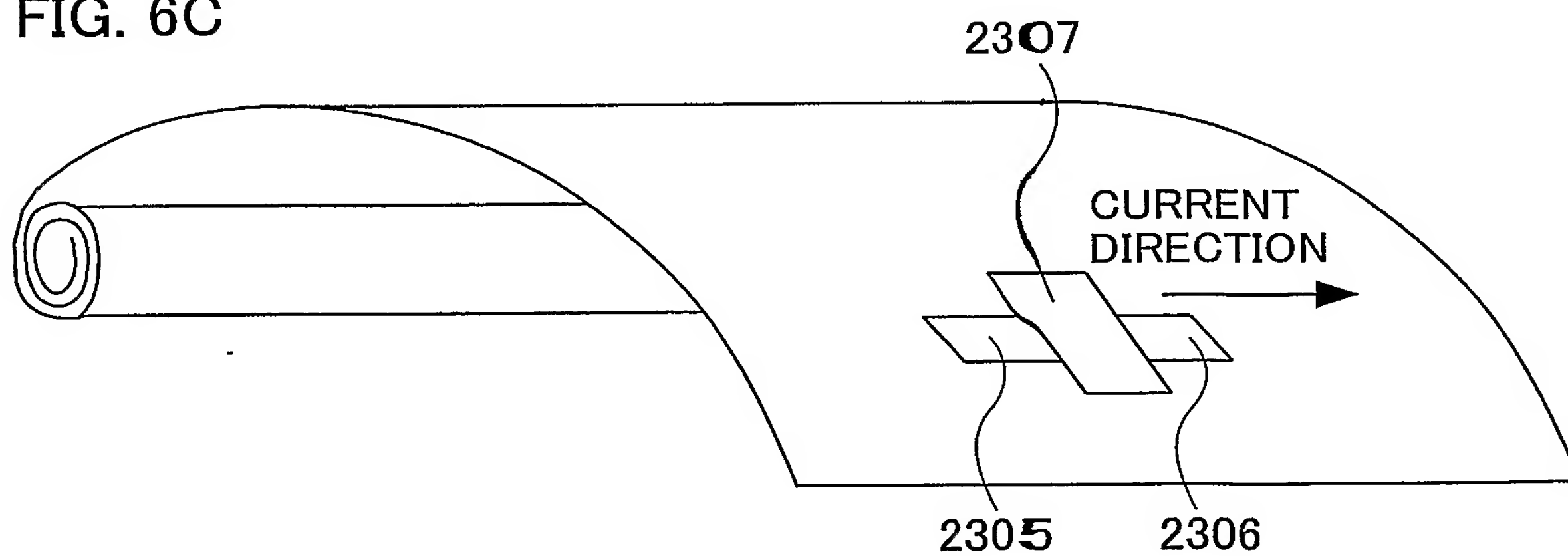


FIG. 6C



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FIG. 7A

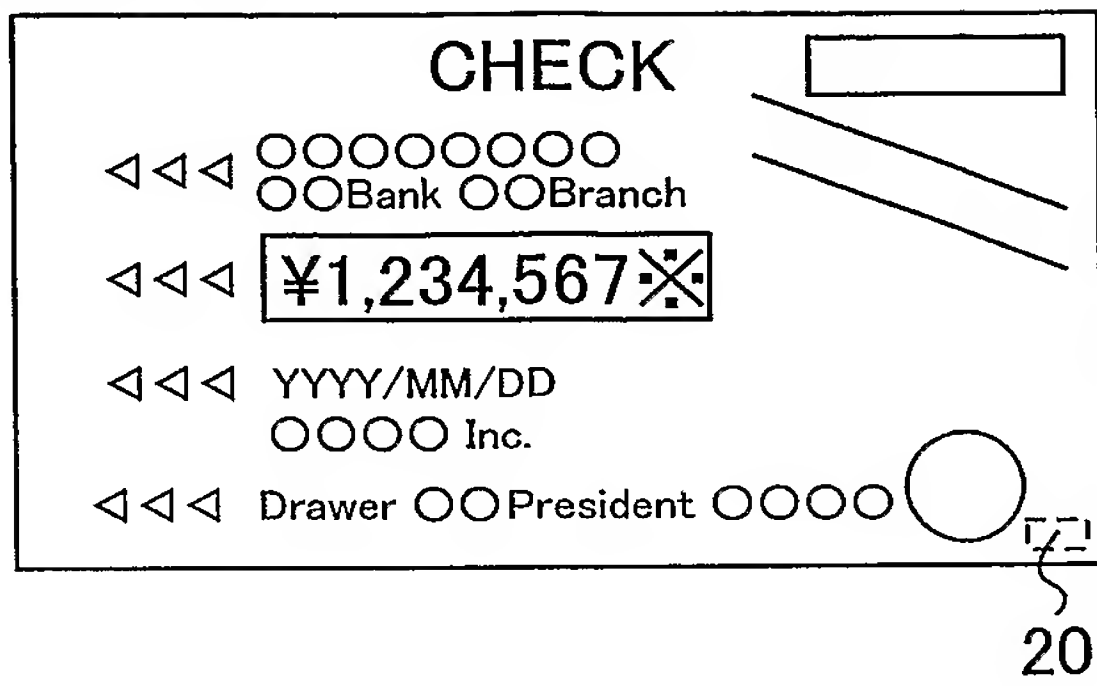


FIG. 7B

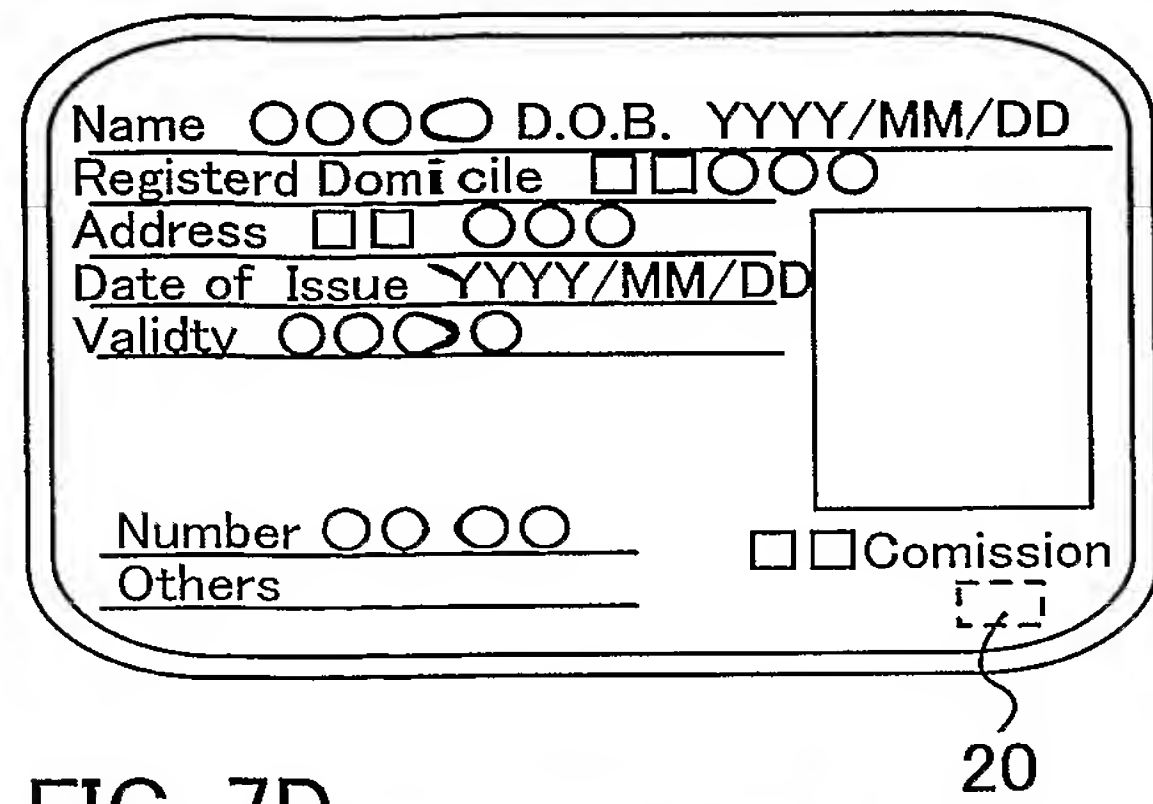


FIG. 7C

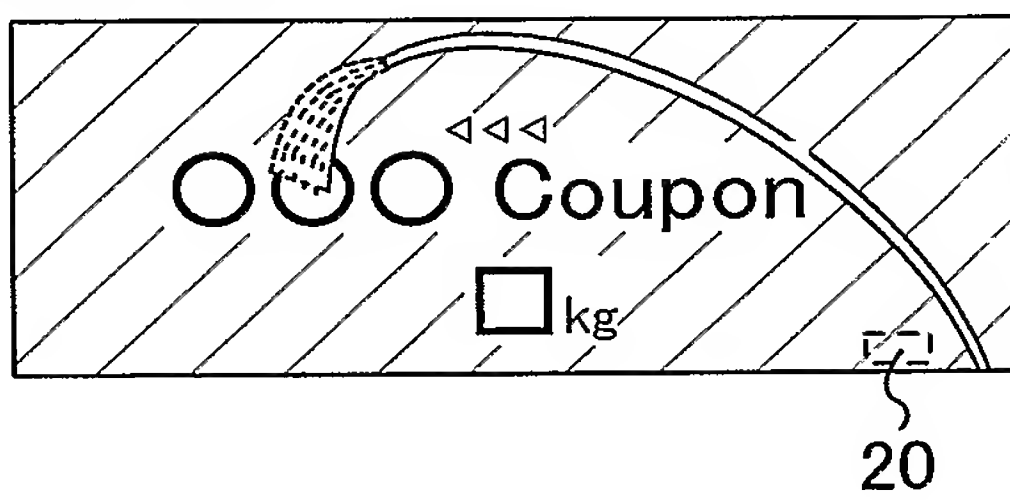


FIG. 7D

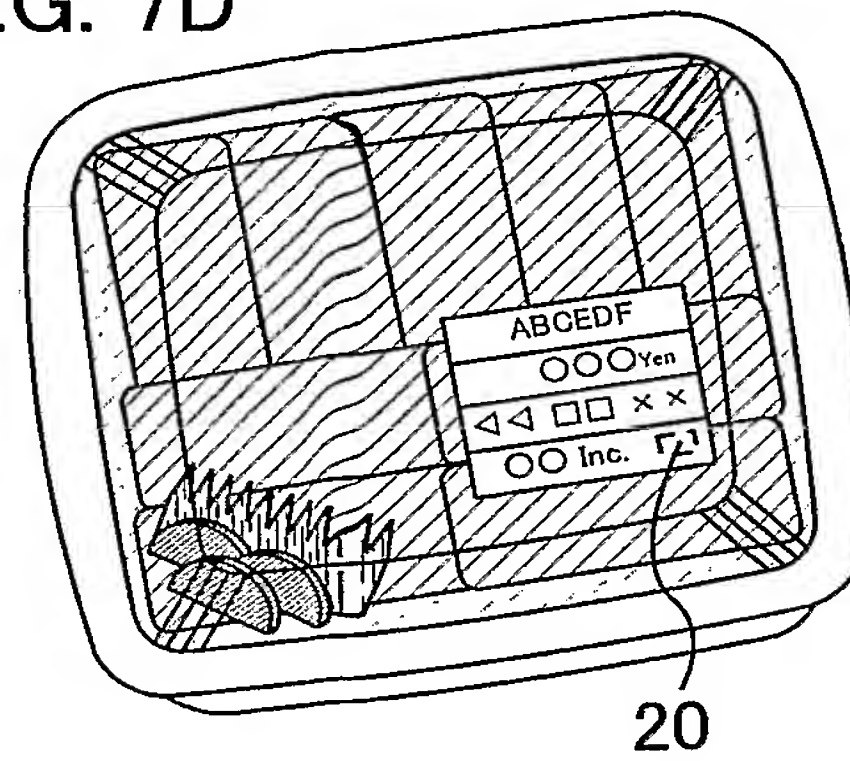


FIG. 7E

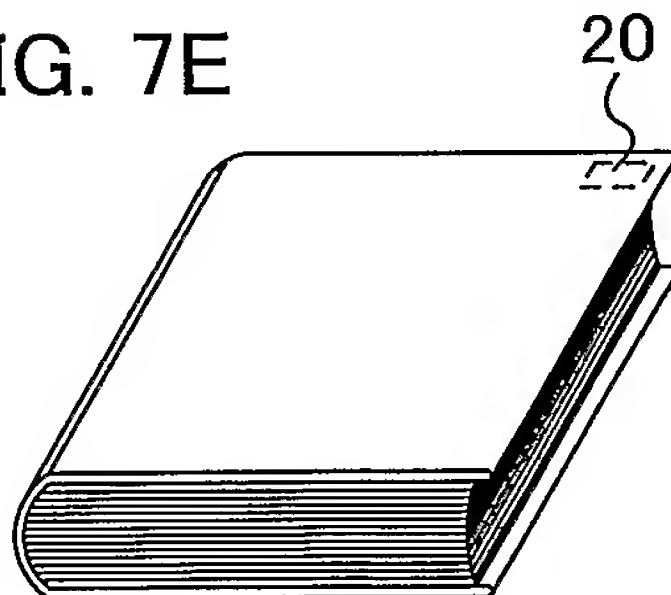


FIG. 7F

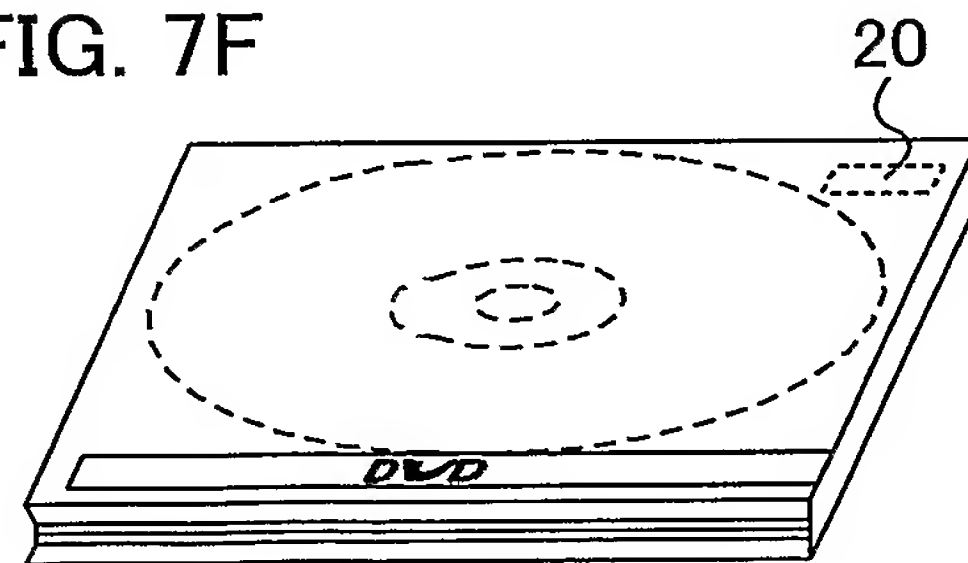


FIG. 7G

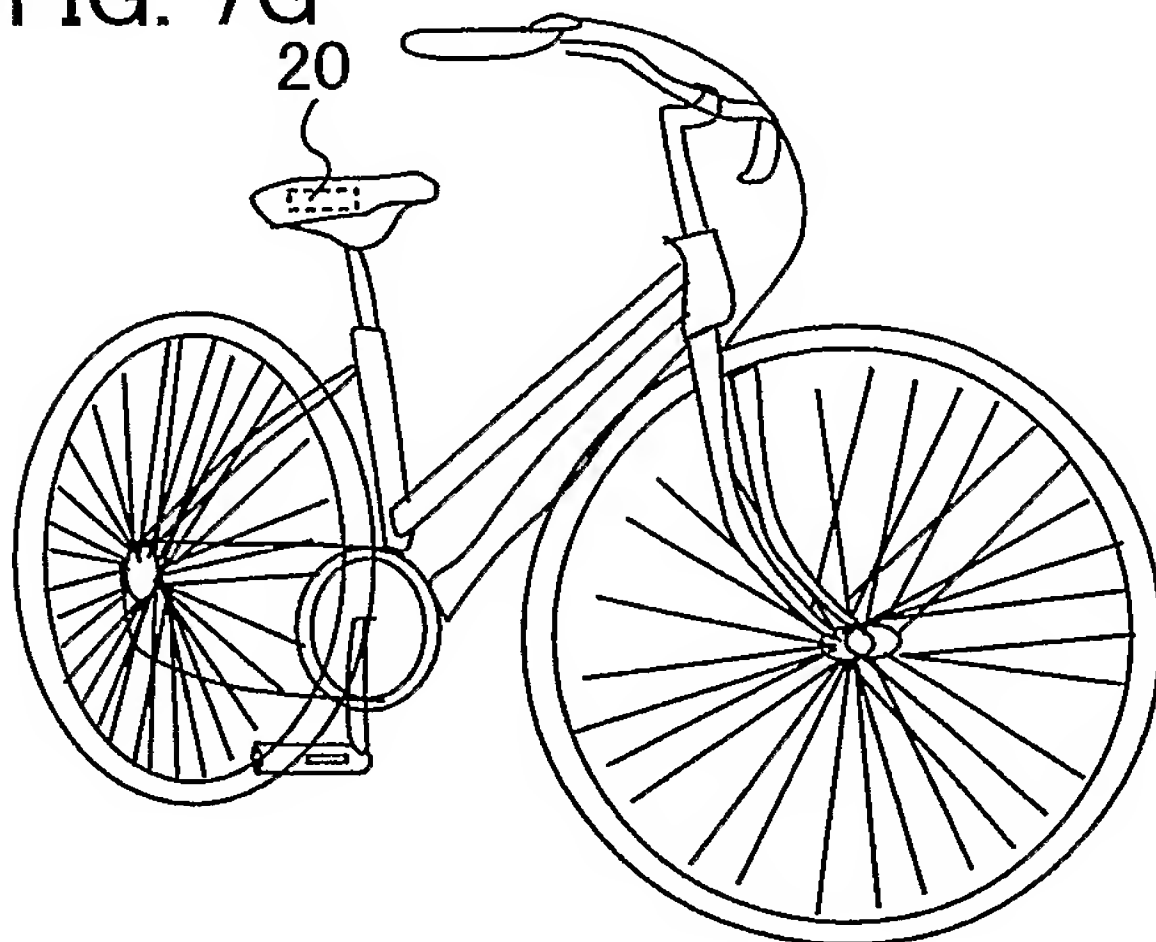


FIG. 7H

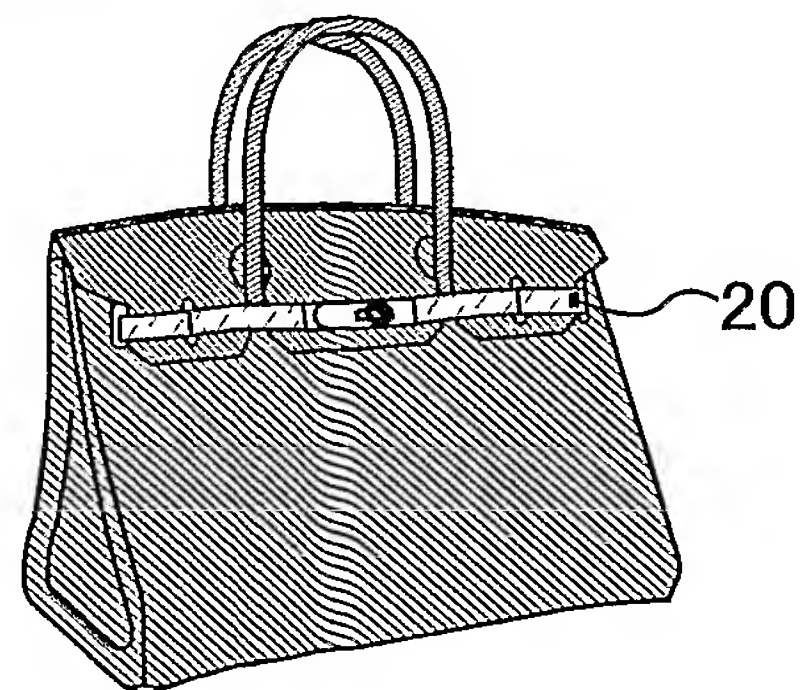


FIG. 8A

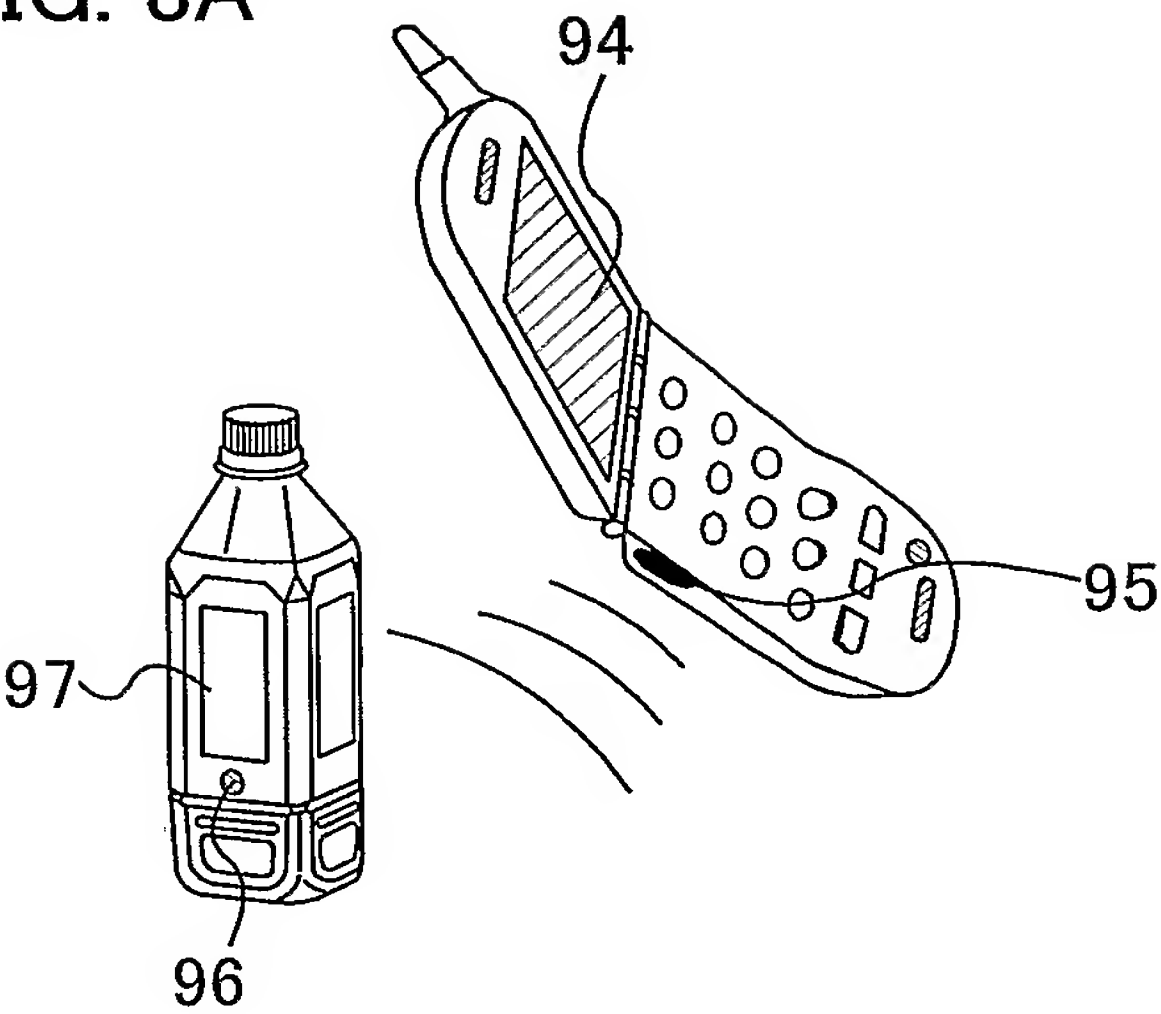
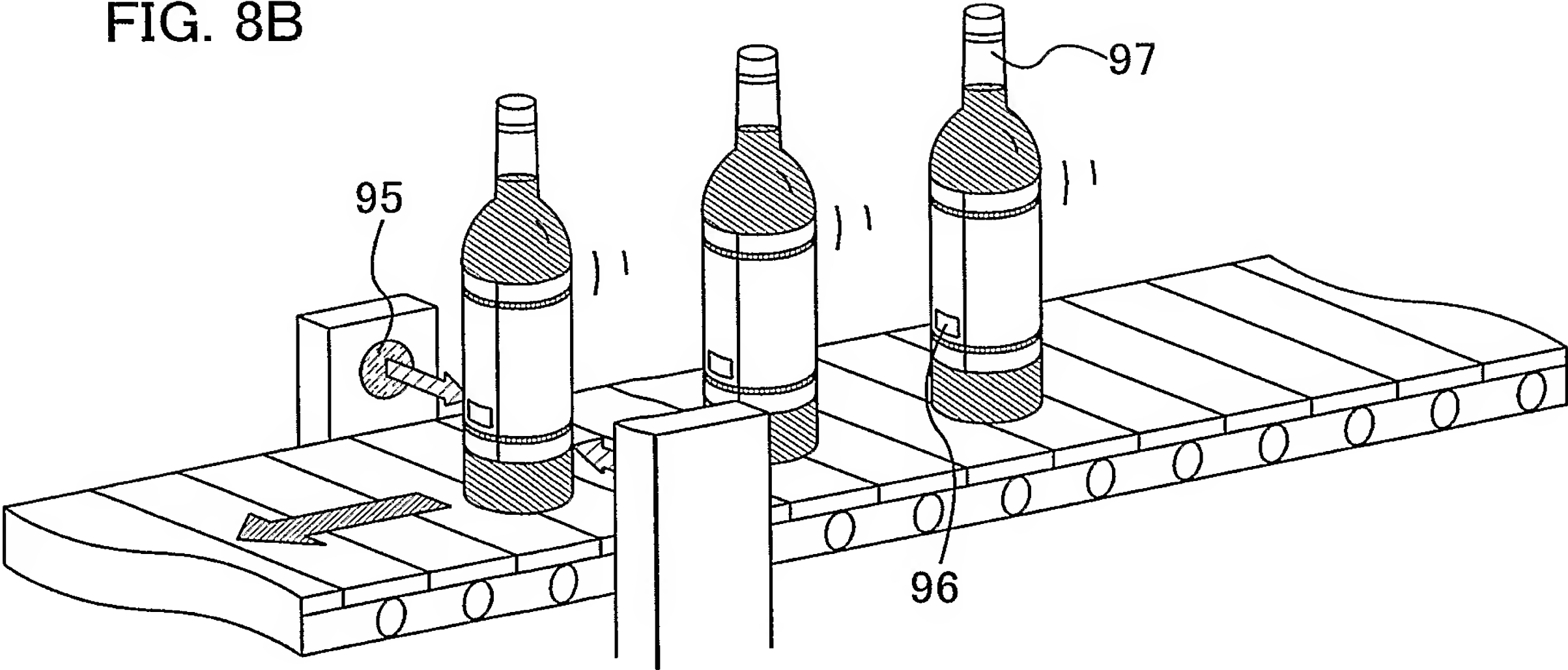


FIG. 8B



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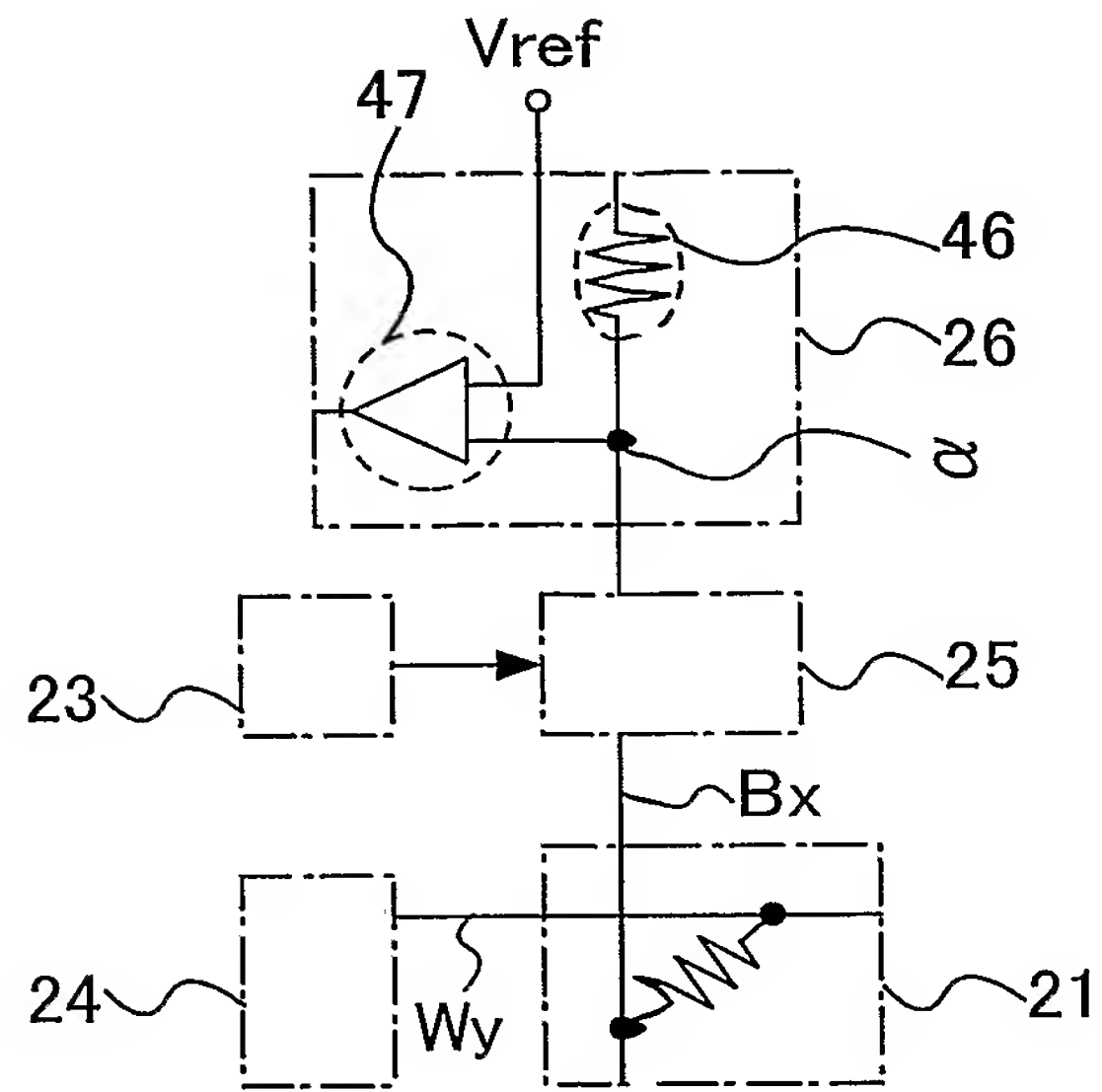


FIG. 9

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FIG. 10A

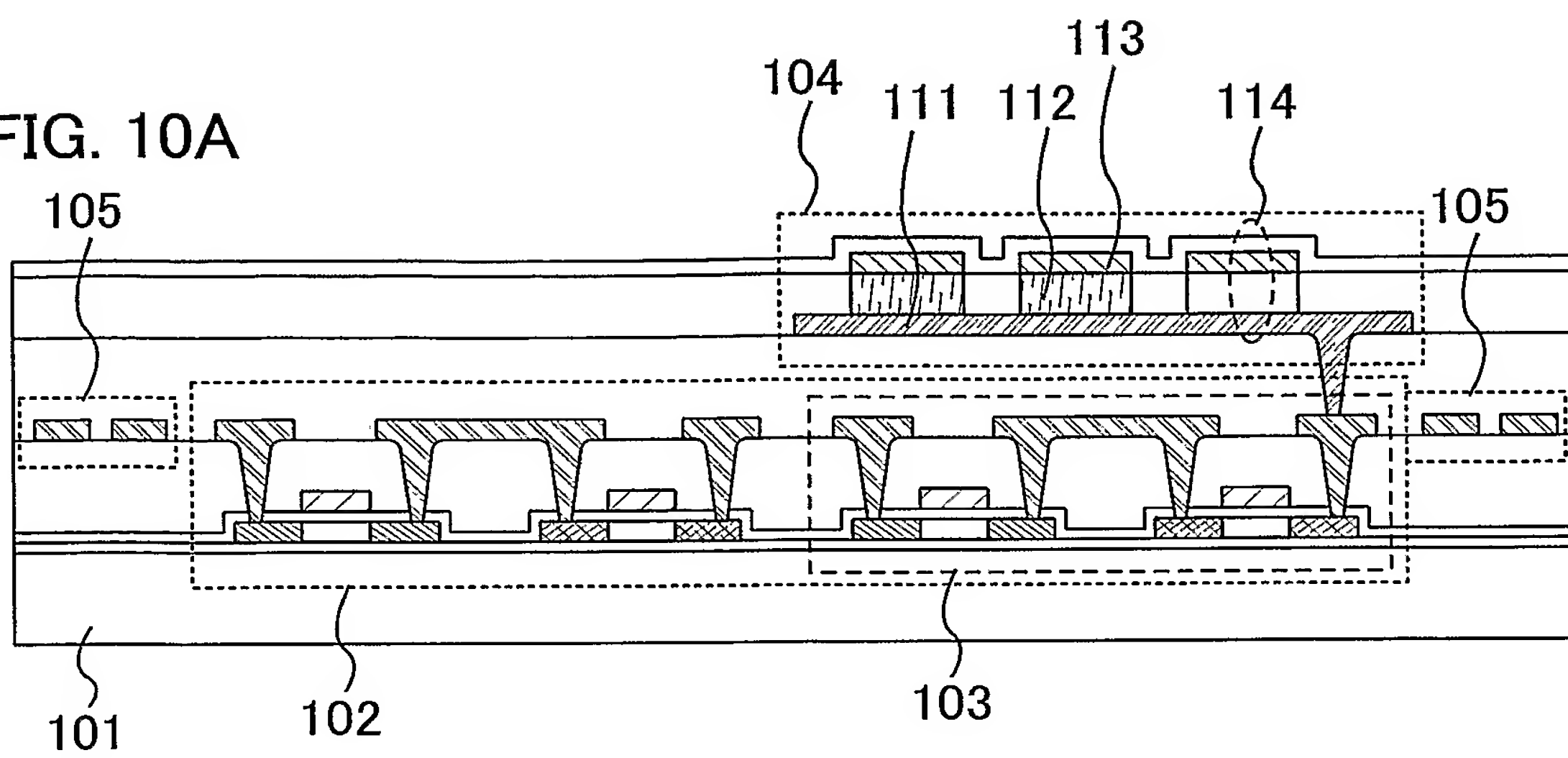
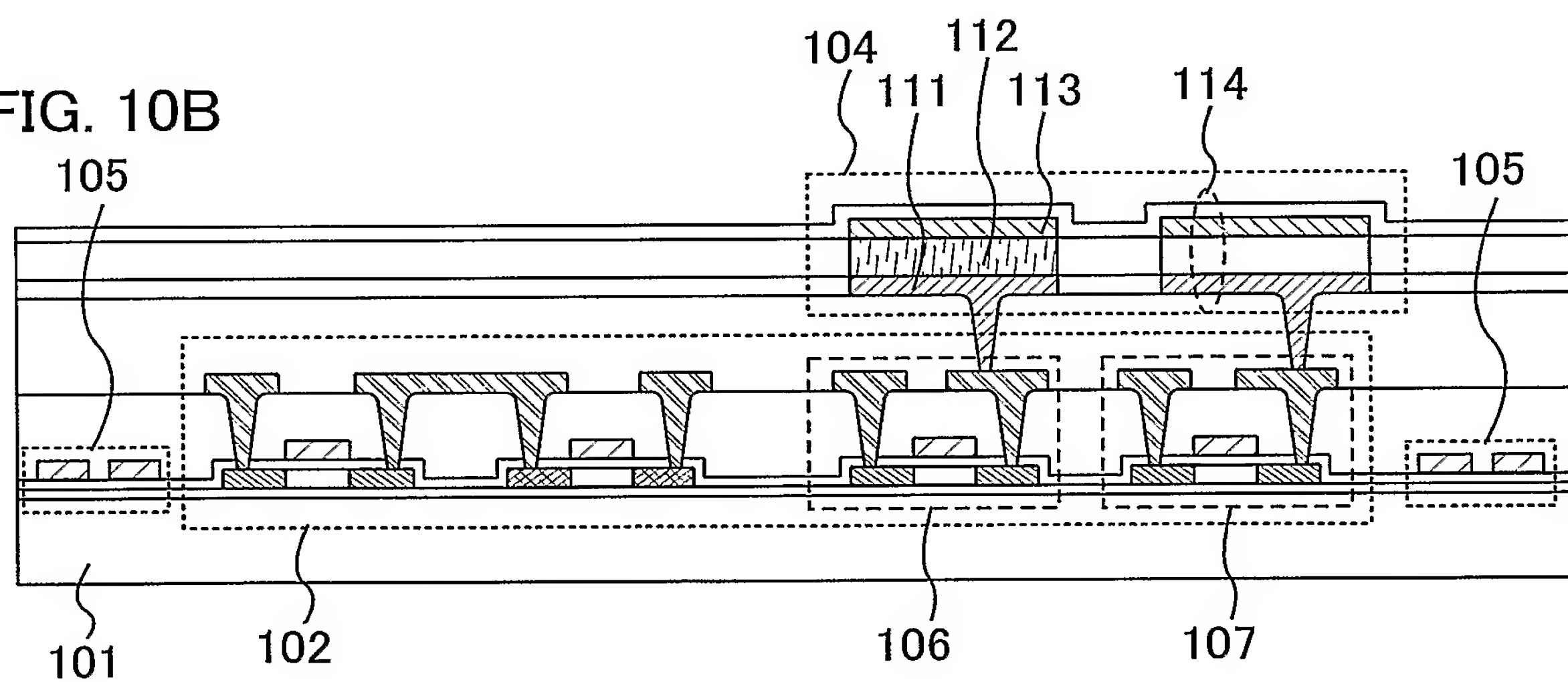


FIG. 10B



EXPLANATION OF REFERENCE

11: power source circuit, 12: clock generating circuit, 13: data demodulation/modulation circuit, 14: control circuit, 15: interface circuit, 16: memory, 17: data bus, 18: antenna, 19: reader/writer, 20: semiconductor device, 21: memory cell, 22: memory cell array, 23: decoder, 24: decoder, 25: selector, 26: read/write circuit, 27: first conductive layer, 28: second conductive layer, 29: phase change layer, 30: substrate, 31: flexible substrate, 32: laser light irradiating means, 33: insulating layer, 34: insulating layer, 35: element group, 36: substrate, 37: terminal portion, 38: substrate, 40: resin, 42: substrate, 43: flexible substrate, 44: semiconductor layer, 45: semiconductor layer, 46: resistor, 47: sense amplifier, 51: roll, 52: heating means, 53: control means, 94: display portion, 95: reader/writer, 96: wireless tag, 97: product, 101: substrate, 102: element group, 103: CMOS circuit, 104: phase change memory, 105: antenna, 106: transistor, 107: transistor, 111: conductive layer, 112: phase change layer, 113: conductive layer, 114: memory element, 2301: protective layer, 2302: element group, 2303: protective layer, 2304: antenna, 2305: electrode, 2306: electrode, 2307: electrode.